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35. A method for determining if a cell contains a gene which encodes a human polypeptide which has PI3 kinase activity and a molecular weight of about 110 kilodaltons as determined by SDS-PAGE, comprising isolating DNA from said cell and contacting isolated DNA with a labelled nucleic acid molecule which ^{hybridizes} ~~hybridizes~~ specifically to said gene and determining hybridization as a determination of presence of said gene.

36. A method for determining if a substance is an agonist or antagonist of expression of a gene which encodes a human polypeptide which has PI3 kinase activity and a molecular weight of about 110 kilodaltons as determined by SDS-PAGE, comprising contacting a sample which is known to contain said gene with said substance followed by contacting said sample with a nucleic acid molecule which hybridizes specifically to a transcript of said gene, determining hybridization to said transcript, and comparing hybridization to said transcript to hybridization of said nucleic acid molecule to said transcript prior to contact with said substance, ^{any} ~~differences~~ therebetween indicating that said substance is an agonist or antagonist of expression of said gene.

REMARKS

Entry of the foregoing amendment is requested.

Respectfully submitted,

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By 

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